

Service Manual

NATIONAL
RADIO
PANASONIC

TIME ANNOUNCING FM/AM CLOCK RADIO

MODEL RC-6900B

- * This service manual includes only the changes of the RC-6900 or C service manual. (ORDER NO. RD-799)
- * This manual should be filed with the service manual for model RC-6900 or C. (ORDER NO. RD-799)
- * When servicing model RC-6900B, this service manual and the RC-6900 or C service manual should be used together.

CHANGES

■ ALIGNMENT INSTRUCTIONS (For Germany)

FM-RF ALIGNMENT

6	Connect to point TP₁ through FM Dummy antenna. Common to chassis. (Refer to fig. 4)	87.2 MHz	Tuning gang fully closed.	Output meter across voice coil.	L ₈ (FM OSC Coil)	(*)Adjust for maximum output.
7	"	90 MHz	90 MHz (9mm (11/32"))	"	L ₅ (FM DET Coil)	"
8	"	106 MHz	106 MHz (65.4mm (2 1/2"))	"	C ₂₈ (FM OSC Trimmer) C ₁₃ (FM DET Trimmer)	(*)Adjust for maximum output. Repeat steps (6)~(8).

*Three output responses will be present; proper tuning is the center frequency.

■ REPLACEMENT PARTS (For Germany)

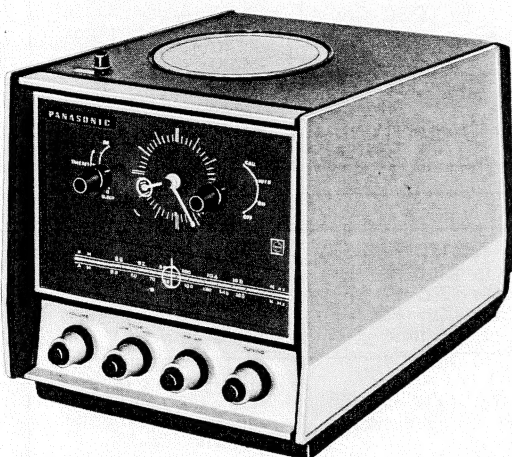
Ref. No.	Change of Part No.		Description	Per Set	Remarks	Price	
	RC-6900 or C →	RC-6900B (For Germany)					
C ₁₅	ECCD05040C	ECCD05020C	2mmf, 50WV, Ceramic	1	C		
C ₇	ECCD05020C	ECCD05030C	3mmf, 50WV, Ceramic	1	C		
C ₂₉	ECCD05030C	ECCD05150KC	15mmf, 50WV, Ceramic	1	C		
C ₁₄	ECCD05180KC	ECCD05220KC	22mmf, 50WV, Ceramic	1	C		
C _{11, 12 17, 27}	PVC2LY20TM	PVC2LY20TMG	Tuning Gang, W/Trimmer	1	A		
L ₅	RLD4Y54	RLD4Y44	FM Detector Coil	1	A		
L ₈	RLO4Y53	RLO4N45	FM Oscillator Coil	1	A		
CH ₁₃	RKD123A	RKD123F	Scale, Dial	1	® B		

MATSUSHITA ELECTRIC
MATSUSHITA ELECTRIC TRADING CO., LTD.
P. O. Box 288, Central Osaka, Japan



■ **REPLACEMENT PARTS LIST** (Please use this part number for parts orders.)

MODEL	POWER TRANS- FORMER (¹⁹)	DECK (Magnetic Disc)	AC CORD (CH ₂)	NAME PLATE	BADGE (CA ₉)	BADGE	REMOTE CONTROL (A ₂)	INSTRUC- TION BOOK (P ₈)	CARTON BOX (P ₇)	CLOCK (Rotor)	CABINET (Complete)
RC-6900B (For Italy)	RLT5L60-W (AC 220V)	RJD6AS-1 (RJN901E) (Italian)	RJA5A	RGT165G	RGB60A	RGB33	RJL2C	ROX5278B	RPG524A	RSC1125A (RMN45A)	RYARC6900 BXI RYMRC6900 BXI
RC-6900B (For Europe)	RLT5L60-W (AC 220V)	RJD6AS-5 (RJN901C) (French)	RJA5A	RGT165G	RGB60A	RGB33	RJL2C	ROX5278B	RPG524A	RSC1125A (RMN45A)	RYARC6900 BXI RYMRC6900 BXI
RC-6900B (For Europe)	RLT5L60-W (AC 220V)	RJD6AS-6 (RJN901D) (German)	RJA5A	RGT165G	RGB60A	RGB33	RJL2C	ROX5278B	RPG524A	RSC1125A (RMN45A)	RYARC6900 BXI RYMRC6900 BXI
RC-6900B (For Italy)	RLT5L60-W (AC 220V)	RJD6AS-8 (RJN901A) (English)	RJA5A	RGT165G	RGB60A	RGB33	RJL2C	ROX5278B	RPG524A	RSC1125A (RMN45A)	RYARC6900 BXI RYMRC6900 BXI
RC-6900B (For England)	RLT5L61-W (AC 240V)	RJD6AS-8 (RJN901A) (English)	RJA5A	RGT165F	RGB60A	RGB33	RJL2C	ROX5278B W/ROX 9032A	RPG524A	RSC1125A (RMN45A)	RYARC6900 BXE RYMRC6900 BXE
RC-6900B (For Germany)	RLT5L60-W (AC 220V)	RJD6AS-5 (RJN901C) (French)	RJA5A	RGT165G	RGB60A	RGB33	RJL2C	ROX5278B	RPG524A	RSC1125A (RMN45A)	RYARC6900 BXI RYMRC6900 BXI
RC-6900B (For Germany)	RLT5L60-W (AC 220V)	RJD6AS-6 (RJN901D) (German)	RJA5A	RGT165G	RGB60A	RGB33	RJL2C	ROX5278B	RPG524A	RSC1125A (RMN45A)	RYARC6900 BXI RYMRC6900 BXI
RC-6900 (For Puerto-Rico)	RLT5L52-W (AC 120V)	RJD2AS-7 (RJN901F) (Spanish)	RJA10A	RGT165E	RGB409	—	RJL2A	ROX5249A	RPG471A	RSC1094A (RMN31A)	RYARC6900M RYMRC6900M
RC-6900 (For America)	RLT5L52-W (AC 120V)	RJD2AS-8 (RJN901A) (English)	RJA10A	RGT165E	RGB409	—	RJL2A	ROX5249A	RPG471A	RSC1094A (RMN31A)	RYARC6900M RYMRC6900M
RC-6900C (For Canada)	RLT5L59-W (AC 120V)	RJD2AS-8 (RJN901A) (English)	RJA10A	RGT165B	RGB409	—	RJL2A	ROX5249A	RPG490A	RSC1094A (RMN31A)	RYARC6900CM RYMRC6900CM
RC-6900C (For Canada)	RLT5L59-W (AC 120V)	RJD2AS-5 (RJN901C) (French)	RJA10A	RGT165B	RGB409	—	RJL2A	ROX5249A	RPG490A	RSC1094A (RMN31A)	RYARC6900CM RYMRC6900CM

PANASONIC®**Service Manual****TIME ANNOUNCING FM/AM CLOCK RADIO****MODEL RC-6900 or C****■ SPECIFICATIONS**

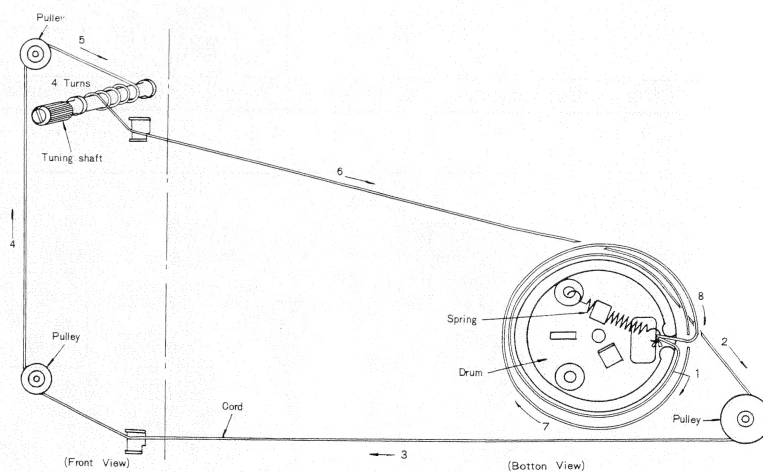
Frequency Range:	FM 87.5~108 MHz AM 525~1605 kHz
Intermediate Frequency:	FM 10.7 MHz AM 455 kHz
Sensitivity:	FM 5 μ V for 30 dB Quieting AM 70 μ V/m for 50 mW Output
Power Output:	1.5W Maximum
Power Source:	AC 120V 60 Hz
Power Consumption:	12W at 120V
Speaker:	4" PM Dynamic Speaker
Dimensions:	6 $\frac{11}{16}$ " (Wide) \times 6 $\frac{7}{8}$ " (High) \times 9 $\frac{13}{16}$ " (Deep)
Weight:	10 lb. 2 oz.
Impedance:	Speaker..... 8 Ω Earphone Jack..... 8 Ω FM Antenna Terminal..... 300 Ω

■ DIAL CORD INSTALLATION GUIDE

1. Dial cord length is 49 $\frac{7}{32}$ ".
2. Tuning gang is position at minimum capacity.
3. Arrows (1~8) indicate correct order and direction of installation dial cord.
4. Cement dial cord ends.

■ TO MOUNT DIAL POINTER

1. Set tuning gang to maximum capacity position.
2. Set dial pointer to start point of dial scale.
3. Attach dial cord to dial pointer.



MATSUSHITA ELECTRIC CORP. OF AMERICA
MATSUSHITA ELECTRIC OF HAWAII, INC.
MATSUSHITA ELECTRIC OF CANADA LTD.

Pan-Am Bldg., 200 Park Ave. New York, N. Y. 10017
 320, Waiakamilo Road Honolulu, Hawaii 96817
 40 Ronson Drive, Rexdale, Ont.

■ ALIGNMENT INSTRUCTIONS

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT					
Notes: 1. Set volume control to maximum or minimum (FM-IF). 2. Set band selector switch to AM or FM. 3. Set tone control to high. 4. Set clock selector switch to ON. 5. Set power source voltage to 120 volts AC. 6. Output of signal generator should be no higher than necessary to obtain an output reading.					
SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING [DISTANCE]	INDICATOR (VTVM or SCOPE)	ADJUSTMENT	REMARKS
CONNECTIONS	FREQUENCY				
AM ALIGNMENT					
1	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455 kHz 30% Mod. with 400 Hz.	Point of non-interference. (on/about 600 kHz)	Output meter across voice coil.	T ₂ (1st IFT) T ₄ (2nd IFT) T ₆ (3rd IFT) Adjust for maximum output.
2	"	550 kHz	550 kHz [$\frac{9}{32}$ "]	"	L ₇ (OSC Coil) (*) L ₄ (ANT Coil) Adjust for maximum output. Adjust L ₄ by moving coil bobbin along ferrite core.
3	"	1500 kHz	1500 kHz [$2\frac{3}{4}$ "]	"	C ₁₆ (OSC Trimmer) C ₁₀ (ANT Trimmer) Adjust for maximum output. Repeat steps (2) and (3).
* Cement antenna bobbin with wax after completing alignment.					
FM-IF ALIGNMENT					
4	High side thru. 0.001mfd to point TP ₂ . Common to chassis.	10.7 MHz (400 kHz SWP.)	Point of non-interference. (on/about 100 MHz).	Connect vert. amp. of scope to point TP ₃ (*). Common to chassis.	T ₁ (1st FM IFT) T ₃ (2nd FM IFT) T ₅ (3rd FM IFT) T ₇ (4th FM IFT) (Primary) Adjust for maximum amplitude and proper linearity between ± 100 kHz markers. (Refer to fig. 2)
5	"	"	"	Connect vert. amp. of scope to point TP ₄ . Common to chassis.	T ₈ (4th FM IFT) (Secondary) Adjust T ₈ so that 10.7 MHz marker appears at the center. (Refer to fig. 3)
* Unsolder lead between test point TP ₃ and point A before alignment and resolder it after alignment.					
FM-RF ALIGNMENT					
6	Connect to point TP ₁ through FM Dummy antenna. Common to chassis. (Refer to fig. 4)	90 MHz	90 MHz [$\frac{1}{2}$ "]	Output meter across voice coil.	L ₈ (FM OSC Coil) L ₅ (FM DET Coil) (*) Adjust for maximum output.
7	"	106 MHz	106 MHz [$2\frac{1}{32}$ "]	"	C ₂₈ (FM OSC Trimmer) C ₁₃ (FM DET Trimmer) (*) Adjust for maximum output. Repeat steps (6) and (7).
* Three output responses will be present; proper tuning is the center frequency.					

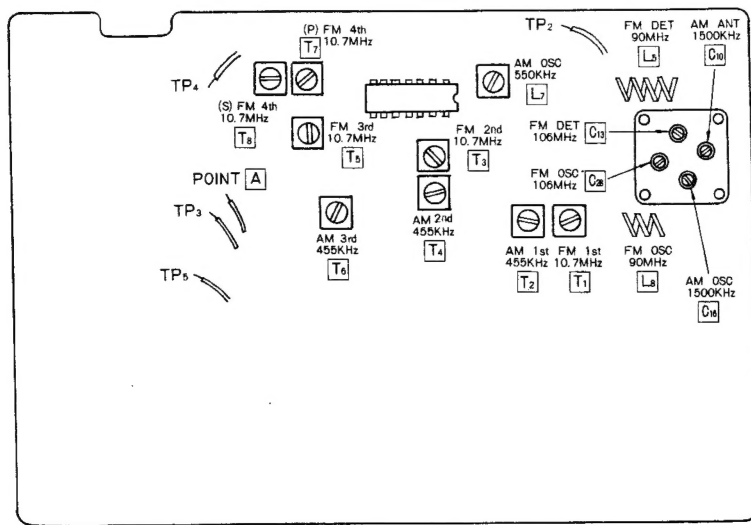


Fig. 1 Alignment Points

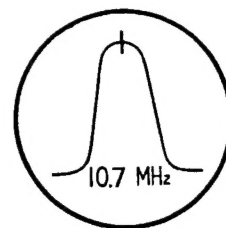


Fig. 2

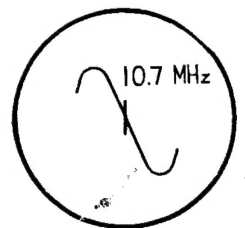


Fig. 3

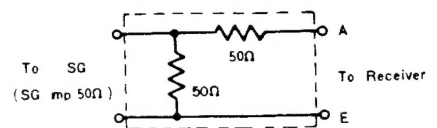


Fig. 4 FM Dummy Antenna

■ DETAILED REMEDY AND HOW TO ADJUST

● How to remove the chassis from the cabinet

1. Remove knobs (8).
2. Remove set screws 1, 2, 6 & 7 holding the cabinet back cover, as shown in fig. 5.
3. Remove the cabinet back cover.
4. Remove plugs (1)~(5) from the cabinet back cover, as shown in fig. 6.
5. Remove the fittings from the cabinet back cover.
6. Remove red screws 3~5, 8 & 9 holding the chassis, as shown in fig. 5.
7. Remove the chassis from the cabinet.
8. To install the chassis, assemble in the opposite order described above.

Notes: 1. Be careful not to impair the clock hands, the clock face, the dial scale or the dial panel. Avoid leaving finger prints when removing or installing the chassis.

2. When installing the chassis in the cabinet, insert the AC cord into the cord slot of the cabinet.

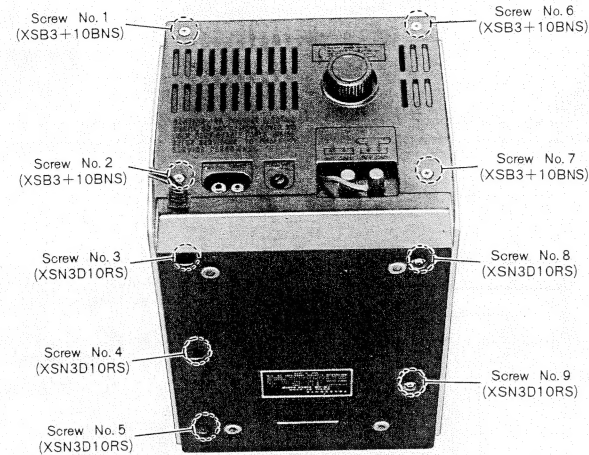


Fig. 5

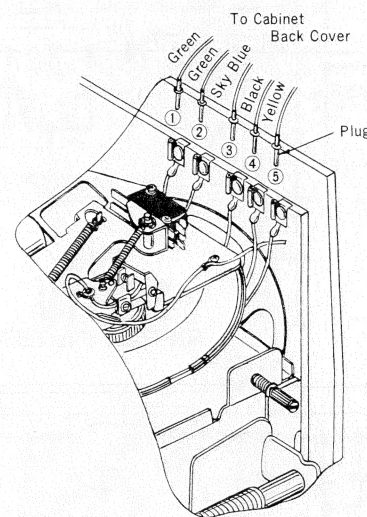


Fig. 6

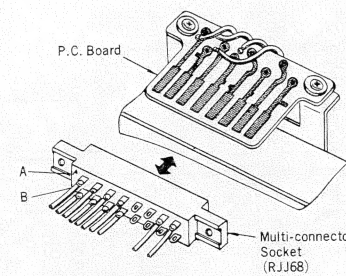


Fig. 8

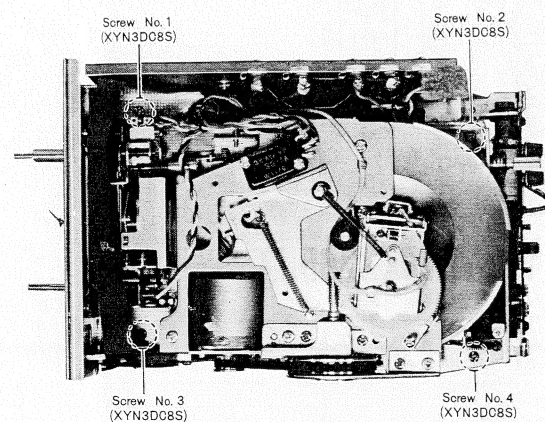


Fig. 7

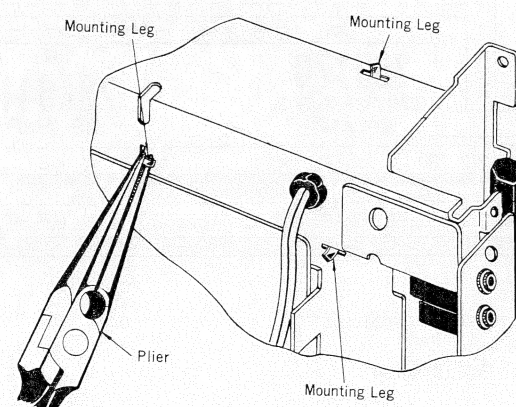


Fig. 9

● How to change the head assembly and worm wheel

1. Remove the head lead wires from two positions on the lead holder, as shown in fig. 10.
2. Remove the head spring, as shown in fig. 10.
3. Remove E ring 1 holding the head assembly, as shown in fig. 10.
4. Remove E ring 2 holding the worm wheel, as shown in fig. 10.
5. Remove the head assembly and worm wheel.
6. Remove the lead wire connected to the head at the side of the P.C. board by unsoldering.
7. To install the head assembly and worm wheel, re-assemble in the opposite manner described above.

Notes: 1. Be careful not to lose the roller shown in fig. 10 when the head assembly and worm wheel are removed.

2. When installing the worm wheel, set the feed operation lever (colored), shown in fig. 10, in the direction of the arrow and insert the worm wheel until it is completely joined with the pulley.

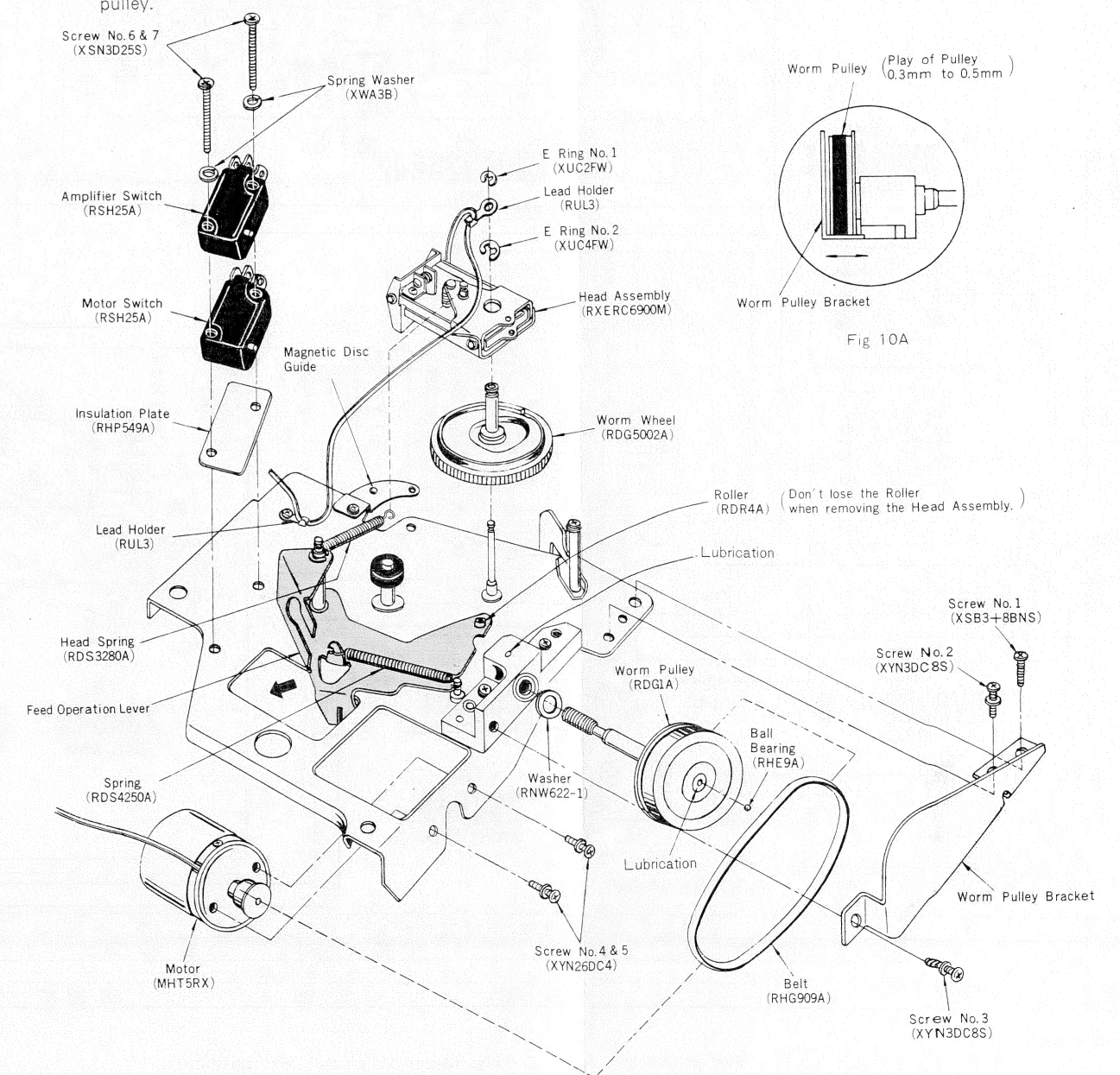


Fig. 10

● How to change the worm pulley and belt

1. Remove set screws 1~3 holding the worm pulley, as shown in fig. 10.
2. Remove the worm pulley and belt.
3. Remove the washer and the ball bearing.
4. To install the worm pulley and belt, re-assemble in the opposite manner described above.

Notes: 1. When installing the worm pulley, insert while turning in the counterclockwise direction without impairing the worm wheel.

2. To install the worm pulley bracket, adjust the worm pulley bracket in the direction of the arrow so that the play in the worm pulley is from 0.3 to 0.5 mm, as shown in fig. 10A.

3. Apply grease or oil to the worm pulley.

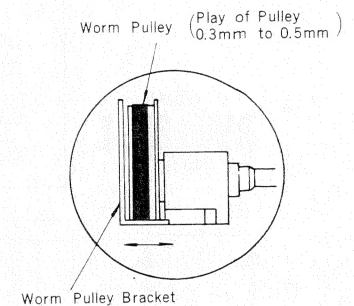
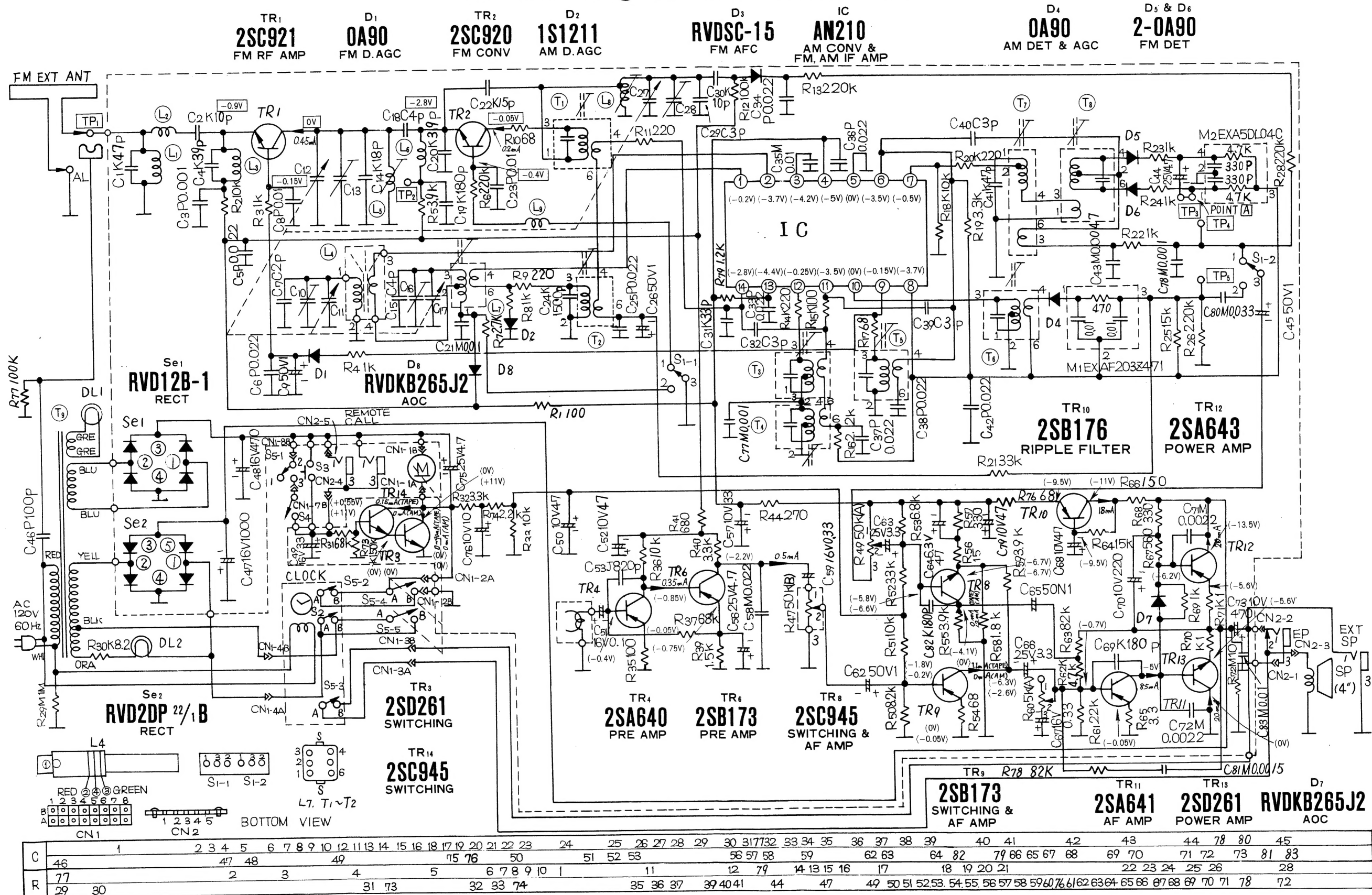


Fig. 10A

Schematic Diagram - Model RC-6900 or C

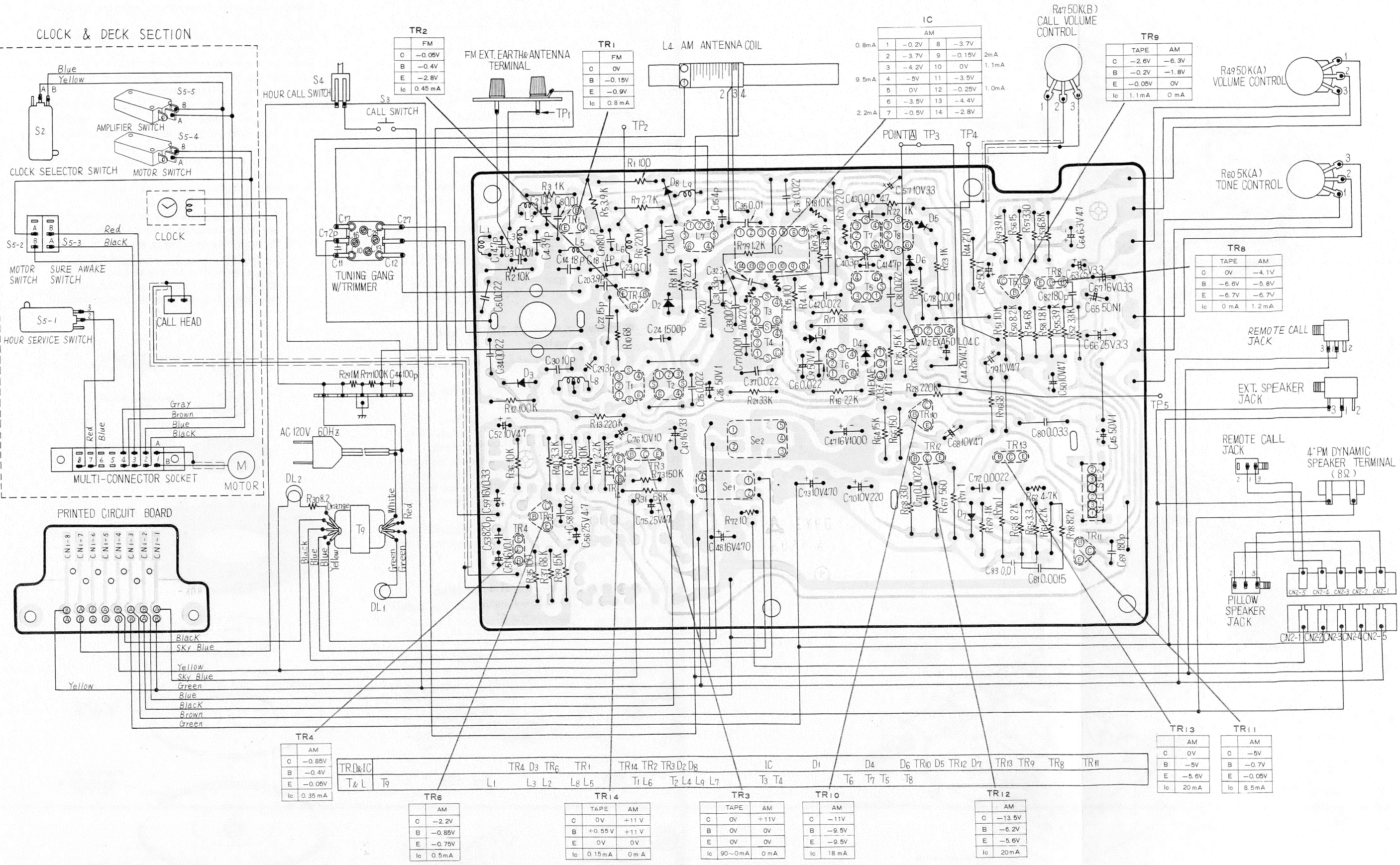


Notes:

- S₁-1~S₁-2: Band selector switch in "FM" position.
- S₂: Clock selector switch in "OFF" position.
- S₃: Call switch in "OFF" position.
- S₄: Hour service cancel switch in "ON" position.
- S₅-1: Hour service switch in "OFF" position.
- S₅-2: Motor switch in "OFF" position.
- S₅-3: Sure awake switch in "OFF" position.
- S₅-4: Motor switch in "OFF" position.
- S₅-5: Amplifier switch in "OFF" position.
- S₅-6: AF signal oscillator switch in "OFF" position.
- DC voltage measurements are taken with circuit tester 10 K Ω /V from chassis.

□.....FM position ().....AM position
< >.....Tape position

Circuit Board Wiring View-Model RC-6900 or C



Earth

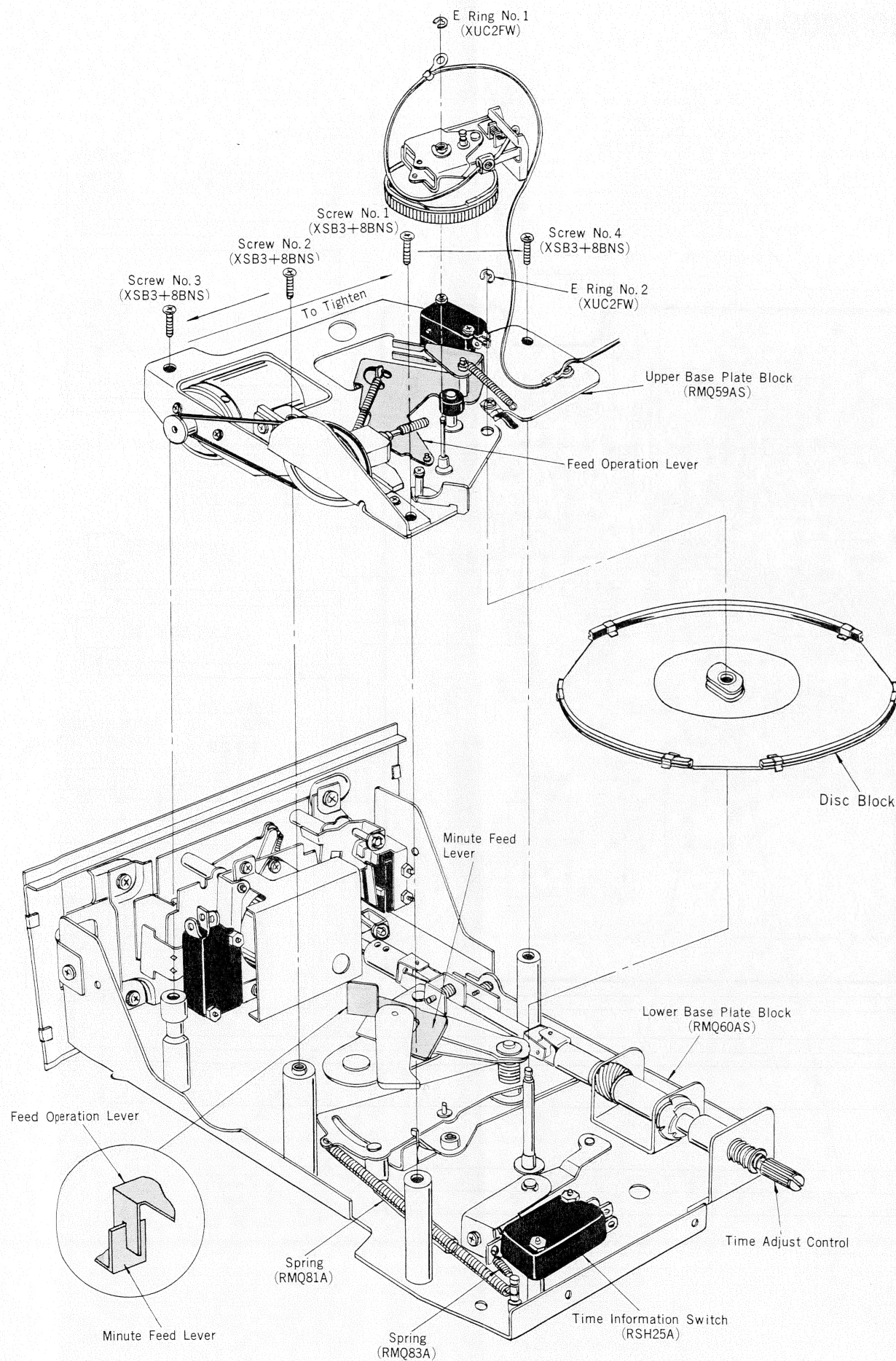


Fig. 11

● How to change the motor

1. Remove screws 1~4 holding the upper base plate, as shown in fig. 11.
2. Remove E ring 2 holding the upper base plate, as shown in fig. 11.
3. Remove the lead wire connecting the motor by unsoldering.
4. Remove the belt.
5. Remove screws 4 and 5 holding the motor, as shown in fig. 10.
6. To install the motor, re-assemble in the opposite manner described above.

Notes: To install the upper base plate, follow the directions below.

- (1) Fit the feed operation lever, shown in fig. 11 (upper base plate block), to the minute feed lever (lower base plate block), as shown in fig. 11A.
- (2) Install the screws holding the upper base plate in the order of 2-3-1-4, as shown in fig. 11.
- (3) Install E ring 2 holding the upper base plate, as shown in fig. 11.
- (4) Adjust the magnetic disc guide so that it is apart from the magnetic disc by 0.5~1 mm.

● How to change the amplifier and motor switch

1. Remove the lead wire to the amplifier and the motor switch by unsoldering.
2. Remove screws 6 and 7 holding the amplifier and the motor switch, as shown in fig. 10.
3. Remove the amplifier and the motor switch.
4. To install the amplifier and the motor switch, re-assemble in the opposite manner described above.

Notes: 1. Confirm that the amplifier switch and the motor switch are in the ON-OFF positions at approximately the same time. (It is better that the motor switch is in the OFF position slightly later than the amplifier switch.)
2. If they don't indicate ON-OFF at approximately the same time, adjust the feed operation lever until they do.

● How to change the magnetic disc

1. Remove screws 1~4 holding the upper base plate block, as shown in fig. 11.

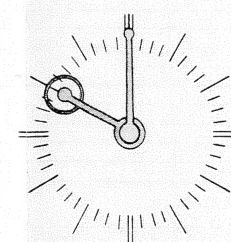


Fig. 13A

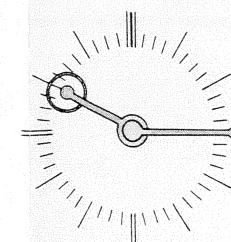


Fig. 14A

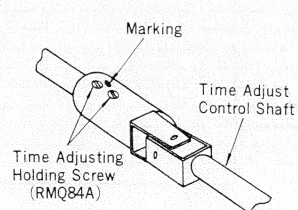


Fig. 13B

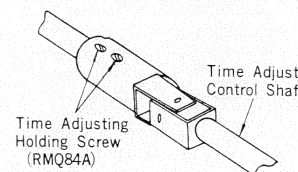


Fig. 14B

2. Remove E ring 2 holding the upper base plate block, as shown in fig. 11.
3. Remove the spring retaining the magnetic disc, as shown in fig. 12.
4. Remove the washer retaining the magnetic disc, as shown in fig. 12.
5. Remove the magnetic disc, as shown in fig. 12.
6. To install the magnetic disc, re-assemble in the opposite manner described above.

Notes: 1. Be sure to use the same type number for the minute magnetic disc as the hour magnetic disc. They are to be used as a pair. (The type number is printed on the back.)
2. Do not bring magnetic material near the magnetic disc.
3. Securely attach the minute magnetic disc to the magnetic disc pressure fittings.
4. Securely attach the hour magnetic disc to the "H" cut in the shaft of the disc block.
5. To install the upper base plate block, refer to the notes on "How to change the motor".
6. Adjust the time announcement to the time indication. (Refer to the synchronization of the time announcement and the time indication.)

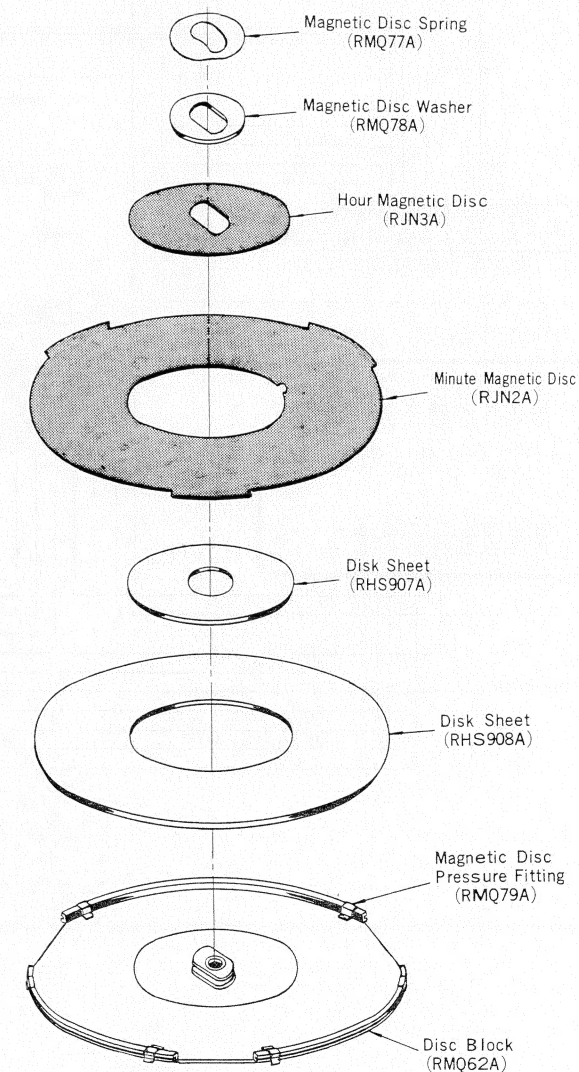


Fig. 12

● Synchronization alignment of the time announcement and the time indication

1. Turn the time adjust control and set the time exactly on the hour (zero minutes). (Refer to fig. 13A)
2. Mark the time adjusting shaft holding screw, as shown in fig. 13B.
3. Turn the time adjusting control and set the time to fifteen minutes after the hour, as shown in fig. 14A. In addition, loosen the screws (2) which were not marked, as shown in fig. 14B.
4. Turn the time adjusting control and set the time to one hour later than the previous on-the-hour setting (zero minutes). Loosen the marked screws (2). (Time adjusting control shaft is disconnected from the clock shaft.)
5. Turn the time adjusting control and stop exactly when the time information lever pin drops back in the slot of the disc block, as shown in fig. 15.
6. Tighten the screws (4) which were loosened in steps 3 and 4.
7. Confirm that the time announcement is synchronized with the time indication. If it is not synchronized, turn the gear to the right or the left, as shown in fig. 15.

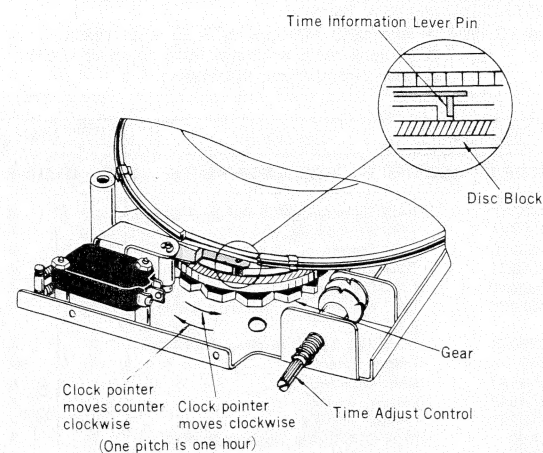


Fig. 15

● How to remove the clock

1. Remove the deck from the chassis. (refer to how to remove the deck from the chassis)
2. Remove the lead wires to the clock by unsoldering.
3. Remove the time adjust shaft holding screws, 8 to 11, as shown in fig. 16.
4. Remove the clock metal fitting holding screws, 1, 2, and 7, as shown in fig. 16.
5. Remove the clock hands (four pieces), as shown in fig. 16.
6. Remove the clock holding screws, 3 to 6, as shown in fig. 16.
7. When replacing the clock, assemble in the opposite order described above.

- Notes:**
1. When attaching the clock hands, refer to how to attach the hands to the clock.
 2. When attaching the time adjust shaft holding screw, refer to synchronization alignment of the time announcement and the time indication.

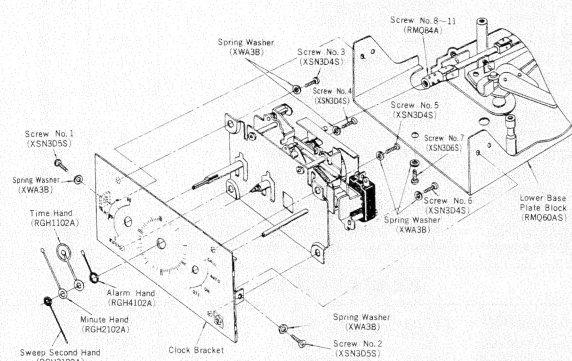


Fig. 16

● How to remove the clock selector switch

1. Remove the clock from the lower base plate block. (Refer to how to remove the clock)
2. Turn the clock selector to the "off" position.
3. Remove the clock selector switch, attaching nuts 1 and 2, as shown in fig. 17.
4. Remove the spring washer and clock selector switch, as shown in fig. 17.
5. When replacing the clock selector switch, assemble in the opposite order described above.

- Note:** When changing the clock selector to on or off, confirm that the clock operation corresponds to the selector switch position.

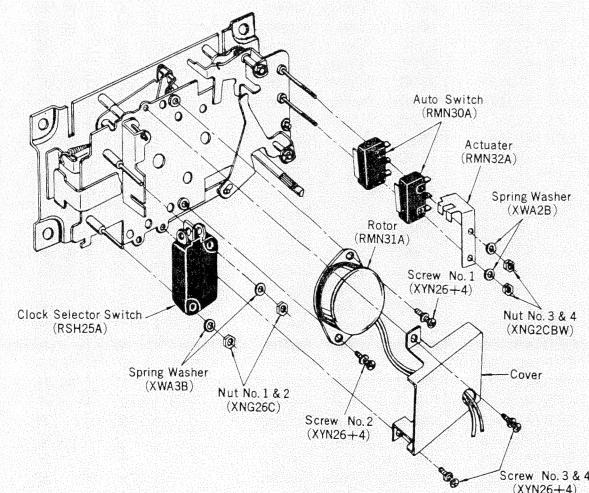


Fig. 17

● How to remove the rotor

1. Remove the clock from the lower base plate block. (refer to how to remove the clock)
2. Remove the rotor cover attaching screws, 3 and 4, as shown in fig. 17.
3. Remove the rotor attaching screws, 1 and 2, as shown in fig. 17.
4. Remove the rotor, as shown in fig. 17.
5. When replacing the rotor, assemble in the opposite order described above.

- Notes:**
1. When replacing the rotor, place the rotor leads toward the bottom.
 2. When installing the rotor, be sure that the rotor gear and the clock gear are positively engaged.

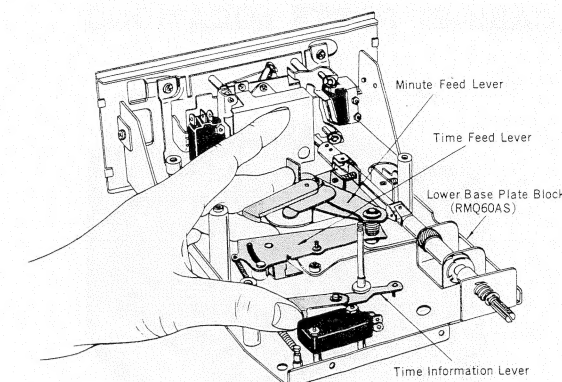


Fig. 18

● How to remove the auto switch

1. Remove the auto switch attaching nuts, 3 and 4, as shown in fig. 17.
2. Remove the actuator.
3. Remove the auto switch.
4. When replacing the auto switch, assemble in the opposite order described above.

- Note:** When setting the sleep time knob, be sure that the selector switch is in either the on or off position, never the call or auto position.

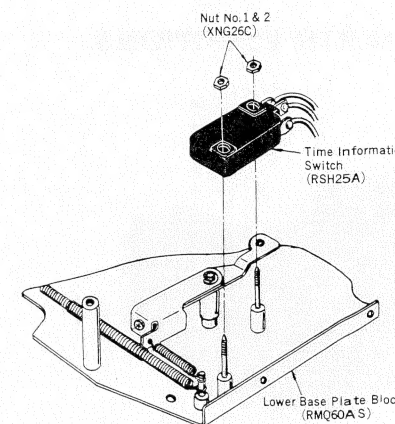


Fig. 19

● How to remove the time information switch

1. Remove the upper base plate block attaching screws, 1 to 4, as shown in fig. 11.
2. Remove upper base plate block attaching E ring 2, as shown in fig. 11.
3. Remove the upper base plate block.
4. Advance the time by turning the time adjusting knob to the position shown in fig. 18 and remove the disc plate. (The time may be advanced by turning the knob in the counterclockwise direction.)
5. Remove the time information switch attaching nuts, 1 and 2, as shown in fig. 19.
6. Remove the time information switch, as shown in fig. 19.
7. When replacing the time signal switch, re-assemble in the opposite order described above.

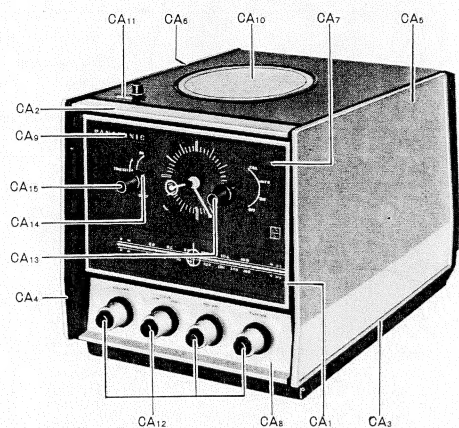
- Notes:**
1. After attaching the time information switch, adjust the synchronization of the time announcement and time indication. (refer to synchronization alignment of the time announcement and the time indication)
 2. After attaching the time information switch, turn the time adjust control to assure that the action of the time information switch is positively on or off.
 3. When attaching the upper base plate block, refer to how to change the motor.
 4. When removing or installing the time information switch, care should be taken not to move the surface of, or put finger prints on the magnetic disc.

● How to attach the hands to the clock

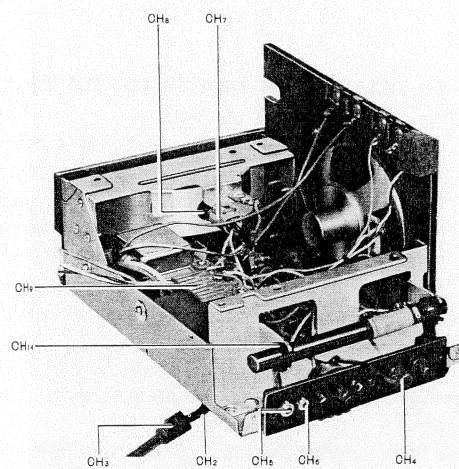
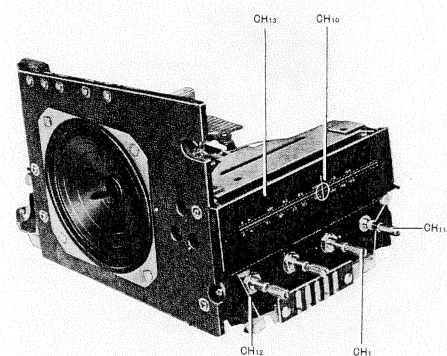
1. Attach the alarm hand at 7 o'clock.
2. Attach the hour and minute hands also at 7 o'clock.
3. Turning the alarm adjusting knob, set the alarm hand to 9 o'clock. Turning the time adjust control, confirm the operation of the sleep timer when the hour and minute hands are within 5 minutes before and after 9 o'clock.
4. Confirm the same operation, as described in 3 above, at 12 o'clock, 3 o'clock and 6 o'clock.
5. If the timer doesn't operate within five minutes during the previous test, adjust the timer according to the following:
 - A. If the timer operates within 5 minutes before the hour indicated by the alarm hand, the alarm hand was attached a little before 7 o'clock, when replacing the hands, and should be re-attached.
 - B. If the timer operates after five minutes after the hour indicated by the alarm hand, the alarm hand was attached a little after 7 o'clock.
6. Attach the sweep second hand at zero seconds.

- Notes:**
1. It is important that each hand be attached as precisely as possible for proper operation.
 2. Care should be taken when handling the hands of the clock since the tips are coated with luminous paint which can be easily chipped.

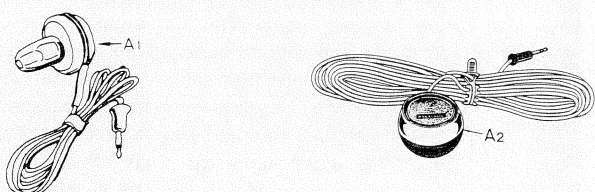
CABINET PARTS LOCATIONS



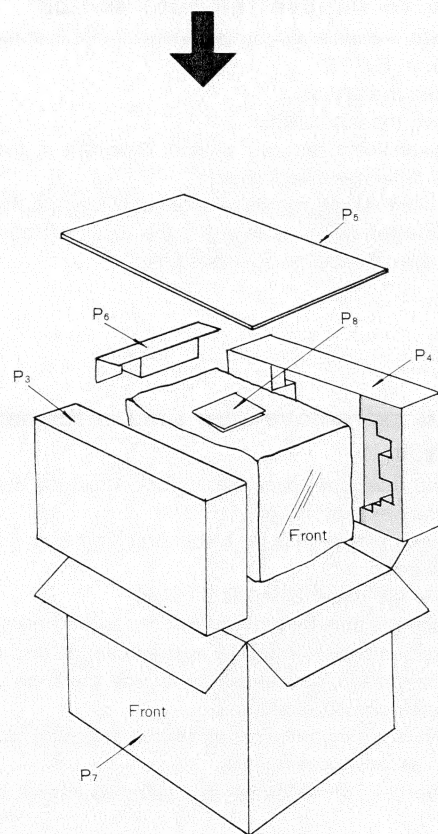
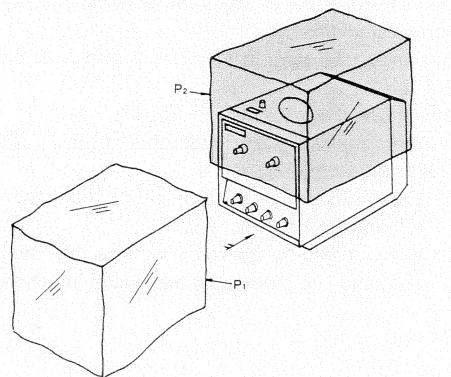
CHASSIS PARTS LOCATIONS



ACCESSORIES



PACKING PARTS LOCATIONS



REPLACEMENT PARTS LIST

NOTES: 1. Part numbers are indicated on most mechanical parts.
Please use this Part number for parts orders.
2. (N) indicates the New Parts.
3. A-C rank: A rank parts will cover 80% of repair needs.
A+B rank parts will cover 95% of repair needs.
C rank parts are less necessary.

Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks	Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
INTEGRATED CIRCUIT, TRANSISTORS AND DIODES					CAPACITORS				
IC	AN210	AM Converter, FM & AM IF Amplifier	1	A	R49	EVCSOAL30A54	50KΩ (A), Volume Control	1	A
TR1	2S0921	FM RF Amplifier	1	A	R60	EVCSOAL30A53	5KΩ (A), Tone Control	1	A
TR2	2S0920	FM Converter	1	A					
TR3	2SD261	Switching	1	(N) A	C7	ECOD050200	2mmf, 50WV, Ceramic	1	C
TR4	2SA640	AF Pre Amplifier	1	(N) A	C29, 32, 39, 40	ECOD050300	3mmf, 50WV, Ceramic	4	C
TR6, 9	2SB173	AF Pre Amplifier, Switching & AF Amplifier	2	A	C15, 18	ECOD050400	4mmf, 50WV, Ceramic	2	C
TR8, 14	2S0945	Switching & AF Amplifier, Switching	2	A	C2, 30	ECOD05100K0	10mmf, 50WV, Ceramic	2	C
TR10	2SB176	Ripple Filter	1	A	C14	ECOD05180K0	18mmf, 50WV, Ceramic	1	C
TR11	2SA641	AF Amplifier	1	(N) A	C4	ECOD05390K	39mmf, 50WV, Ceramic	1	C
TR12	2SA643	Power Amplifier	1	(N) A	C1	ECOD05470K	47mmf, 50WV, Ceramic	1	C
TR13	2SD261	Power Amplifier	1	(N) A	C19, 69, 82	ECOD05181K	180mmf, 50WV, Ceramic	3	C
D1, 4	0A90	FM D.AGC, AM Detector & AGC	2	A	C22	ECOD05150K0	15mmf, 50WV, Ceramic	1	C
D2	1S1211	AM D.AGC	1	A	C31	ECOD05330K0	33mmf, 50WV, Ceramic	1	C
D3	RVDSC-15	FM AFC	1	A	C3	ECKD05102P	0.001mfd, 50WV, Ceramic	1	C
D5, 6	2-0A90	FM Detector	1 pair	A	C43	ECKE05472MY	0.0047mfd, 50WV, Ceramic	1	C
D7, 8	RVDKB265J2	Operation Compensator	2	A	C8, 23	ECKE05103P	0.01mfd, 50WV, Ceramic	2	C
RECTIFIERS					5, 6, 25, 33, 34, 36, 37, 38, 42	ECKE05223P	0.022mfd, 50WV, Ceramic	9	C
Se1	RVD12B-1	Rectifier	1	(N) A	C21, 35	ECKE05103MY	0.01mfd, 50WV, Ceramic	2	C
Se2	RVD2DP22/1B	Rectifier	1	A	C46	ECKD14101P	100mmf, 2800WV, Ceramic	1	C
COILS AND TRANSFORMERS					C20	ECMS05390K-H	39mmf, 50WV, Mica	1	C
L1, 2, 3	RLQY10S5	FM Choke Coil	3	B	C41	ECMS05470K-H	47mmf, 50WV, Mica	1	C
L4	RLF2D77-0	AM Antenna Coil	1	(N) A	C24	ECQS05152KZ	1500mmf, 50WV, Styrol	1	C
L5	RLD4Y54	FM Detector Coil	1	A	C53	ECOS05821JZ	820mmf, 50WV, Styrol	1	C
L6, 9	RLQY15G5	Choke Coil	2	B	C83	ECQG05103MZ-N	0.01mfd, 50WV, Polyester	1	C
L7	RL02B77-M	AM Oscillator Coil	1	A	C77, 78	ECQG05102MZ-N	0.001mfd, 50WV, Polyester	2	C
L8	RL04Y53	FM Oscillator Coil	1	A	C81	ECQG05152MZ-N	0.0015mfd, 50WV, Polyester	1	C
T1	RLI4B152-M	1st FM IF Transformer	1	A	C71, 72	ECQG05222MZ-N	0.0022mfd, 50WV, Polyester	2	C
T2	RLI2B152-M	1st AM IF Transformer	1	A	C58	ECQG05223MZ-N	0.022mfd, 50WV, Polyester	1	C
T3, 5	RLI4B351-M	2nd, 3rd FM IF Transformer	2	A	C80	ECQG05333MZ-N	0.033mfd, 50WV, Polyester	1	C
T4	RLI2B257-M	2nd AM IF Transformer	1	A	C64	ECEA6V47	47mfd, 6.3WV, Electrolytic	1	B
T6	RLI2B457-M	3rd AM IF Transformer	1	A	C76	ECEA10V10	10mfd, 10WV, Electrolytic	1	B
T7	RLI4B551-M	FM 4th IF Transformer, Primary	1	A	C57	ECEA10V33	33mfd, 10WV, Electrolytic	1	B
T8	RLI4B552-M	FM 4th IF Transformer, Secondary	1	A	C50, 52, 68, 79	ECEA10V47	47mfd, 10WV, Electrolytic	4	B
T9	RLT5L52-W	Power Transformer—Model RC-6900	1	(N) A	C70	ECEA10V220	220mfd, 10WV, Electrolytic	1	B
	RLT5L62-W	Power Transformer—Model RC-6900C	1	(N) A	C73	ECEA10V470	470mfd, 10WV, Electrolytic	1	B
RESISTORS					C48	ECEA16V470	470mfd, 16WV, Electrolytic	1	B
R30	ERC12GK8R2	8.2Ω, 1/2 Watt, Solid	1	(N) B	C47	ECEA16V1000	1000mfd, 16WV, Electrolytic	1	B
R72	ERC12GM100	10Ω, 1/2 Watt, Solid	1	B	C49	ECEA16V33S	33mfd, 16WV, Electrolytic	1	(N) B
R29	ERC12GM105	1MΩ, 1/2 Watt, Solid	1	B	C63, 66	ECEA25V3R3	3.3mfd, 25WV, Electrolytic	2	B
R70, 71	ERM12PK1R0	1Ω, 1/2 Watt, Wire Wound	2	(N) B	C44, 56, 75	ECEA25V4R7	4.7mfd, 25WV, Electrolytic	3	B
R115	ERD14VK101	100Ω, 1/4 Watt, Carbon	1	B	C9, 26, 45, 62	ECEA50V1	1mfd, 50WV, Electrolytic	4	B
R14, 20	ERD14VK221	220Ω, 1/4 Watt, Carbon	2	B	C65	ECEA50N1	1mfd, 50WV, Electrolytic	1	B
R18	ERD14VK103	10KΩ, 1/4 Watt, Carbon	1	B	C51	ECAG16ER1	0.1mfd, 16WV, Electrolytic	1	B
R73	ERD14VK154	150KΩ, 1/4 Watt, Carbon	1	B	C59, 67	ECAG16ER33	0.33mfd, 16WV, Electrolytic	2	B
R62	ERD14VK472	4.7KΩ, 1/4 Watt, Carbon	1	B	VARIABLE CAPACITOR				
R65	ERD14SJ3R3	3.3Ω, 1/4 Watt, Carbon	1	(N) B	C11,12,17, 27	PVC2LY20TM	Tuning Gang, W/Trimmer (C10, 13, 16, 28)	1	A
R56	ERD14SJ150	15Ω, 1/4 Watt, Carbon	1	(N) B	COMPONENT COMBINATIONS				
R10, 17, 54, 76	ERD14SJ680	68Ω, 1/4 Watt, Carbon	4	(N) B	M1	EXAF203Z471	0.01mfd, 0.01mfd, 470Ω	1	B
R1, 35	ERD14SJ101	100Ω, 1/4 Watt, Carbon	2	(N) B	M2	EXA5DL04C	330mmf x 2, 4.7KΩ x 2	1	B
R11	ERD14SJ221	220Ω, 1/4 Watt, Carbon	1	B	SWITCHES				
R44	ERD14SJ271	270Ω, 1/4 Watt, Carbon	1	B	S1-1~S1-2	RSS139	Band Selector Switch	1	A
R57, 68	ERD14SJ331	330Ω, 1/4 Watt, Carbon	2	(N) B	S3	RSH49	Hour Call Switch	1	A
R9	ERD14SJ221	220Ω, 1/4 Watt, Carbon	1	B	SPEAKER				
R67	ERD14SJ561	560Ω, 1/4 Watt, Carbon	1	B	SP	EAS10P03S	4" PM Dynamic Speaker, 8Ω	1	A
R41	ERD14SJ681	680Ω, 1/4 Watt, Carbon	1	(N) B	CABINET				
R66	ERD14SJ151	150Ω, 1/4 Watt, Carbon	1	B	RYARC6900M	Cabinet (Complete) — Model RC-6900	1	(N) A	
R3, 4, 8, 22, 23, 24, 69	ERD14SJ102	1KΩ, 1/4 Watt, Carbon	7	B	RYARC6900CM	Cabinet (Complete) — Model RC-6900C	1	(N) A	
R39	ERD14SJ152	1.5KΩ, 1/4 Watt, Carbon	1	(N) B	RYMRC6900M	Cabinet Front (Complete) — Model RC-6900	1	(N) C	
R58	ERD14SJ182	1.8KΩ, 1/4 Watt, Carbon	1	(N) B	RYMRC6900CM	Cabinet Front (Complete) — Model RC-6900C	1	(N) C	
R16, 74	ERD14SJ222	2.2KΩ, 1/4 Watt, Carbon	2	B	CA1	RGX218B	Ornament, Dial Panel	1	(N) B
R19, 32, 40	ERD14SJ332	3.3KΩ, 1/4 Watt, Carbon	3	(N) B	CA2	RGX219A	Ornament, Upper Side	1	(N) B
R5, 55, 59	ERD14SJ392	3.9KΩ, 1/4 Watt, Carbon	3	(N) B	CA3	RGX220A	Ornament, Right Side	1	(N) B
R53	ERD14SJ682	6.8KΩ, 1/4 Watt, Carbon	1	B	CA4	RGX221A	Ornament, Left Side	1	(N) B
R50	ERD14SJ822	8.2KΩ, 1/4 Watt, Carbon	1	B	CA5	RGX222A	Ornament, Right Side	1	(N) B
R7	ERD14SJ272	2.7KΩ, 1/4 Watt, Carbon	1	B	CA6	RGX223A	Ornament, Left Side	1	(N) B
R2, 33, 36, 51	ERD14SJ103	10KΩ, 1/4 Watt, Carbon	4	B	CA7	RGX224A	Ornament, Right Side	1	(N) B
R25, 64	ERD14SJ153	15KΩ, 1/4 Watt, Carbon	2	(N) B	CA8	RGK136A	Indicating Plate, Front Side	1	(N) B
R61	ERD14SJ223	22KΩ, 1/4 Watt, Carbon	1	(N) B	CA9	RGB409	Badge, PANASONIC Mark	1	C
R21, 52	ERD14SJ333	33KΩ, 1/4 Watt, Carbon	2	B	RUL95AS	Bracket, Cabinet Back Cover	1	(N) C	
R31, 37	ERD14SJ683	68KΩ, 1/4 Watt, Carbon	2	B	RGT165E	Name Plate—Model RC-6900	1	(N) C	
R63	ERD14SJ823	82KΩ, 1/4 Watt, Carbon	1	(N) B	RGT165B	Name Plate—Model RC-6900C	1	(N) C	
R12	ERD14SJ104	100KΩ, 1/4 Watt, Carbon	1	B	RYFRC6900M	Cover (Complete), Cabinet Back	1	(N) B	
R6, 13, 26, 28	ERD14SJ224	220KΩ, 1/4 Watt, Carbon	4	B	RYERC6900M	Touch'n Call Button (Complete)	1	(N) B	
R79	ERD14TK122	1.2KΩ, 1/4 Watt, Carbon	1	B	RGK137A	Indicating Plate, HOUR CALL Mark	1	(N) C	
R78	ERD14TK823	82KΩ, 1/4 Watt, Carbon	1	B					
R77	ERC12GM104	100KΩ, 1/2 Watt, Solid	1	B					
VARIABLE RESISTORS									
R47	EVDN0A10KB54	50KΩ (B), Call Volume Control	1	(N) A					

MODEL RJD2AS - 8 (RC - 6900) DECK RJD2AS - 5 (RC - 6900C)

Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks	Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks				
CA12	RDS4240A	Spring, Hour Call Lever	1	A	RM059AS	Upper Base Plate Block	1	Ⓝ C					
	RJV1A	Socket, Dial Light (Touch'n Call)	1	C		RXERC6900M	Head Assembly	1	Ⓝ A				
	RBN62C	Knob, Volume, Tone, Tuning & Selector	4	Ⓝ A		MHT-5RX	Motor	1	Ⓝ A				
	RBN66A	Knob, Time Adjust	1	Ⓝ A		RDG5002A	Worm Wheel	1	Ⓝ B				
	RBW36A	Clock Knob, Clock Selector	1	Ⓝ A		RDG1A	Worm Pulley	1	Ⓝ B				
	RBW37A	Clock Knob, Time Set	1	Ⓝ A		RSH25A	Amplifier & Motor Switch	2	Ⓝ A				
	RBW38A	Clock Knob, Sleep	1	Ⓝ A		RHG909A	Belt, Motor	1	Ⓝ A				
	RJT903A	Terminal, Remote Call & Pillow Speaker	1	Ⓝ C		RDS3280A	Spring, Head	1	Ⓝ A				
RJJ32A	Jack, Pillow Speaker	1	Ⓝ B	RDS4250A		Spring, Feed Operation Lever	1	Ⓝ A					
RJJ26A	Jack, Remote Call	1	Ⓝ B	RHP549A		Insulation Plate, Micro Switch	1	Ⓝ C					
XSB3 - 10BNS	Screw, Cabinet Back Cover M'tg.	4	B	XSN3D25S		Screw, Amplifier & Motor Switch M'tg	2	C					
XAM35T or K	Dial Light, Hour Call, 6.3V 0.25A	1	A	XWA3B		Spring Washer, Motor Switch M'tg	2	C					
CHASSIS						XYN26DC4	Screw, Motor M'tg.	2	C				
CH1	ESRE002L30AE	Mechanism, Band Selector Switch	1	Ⓝ B		RHE9A	Ball Bearing, Worm Pulley	1	Ⓝ C				
	RJA10A	AC Cord, Power Source	1	B		RNW622-1	Washer, Worm Pulley	1	C				
	RHR104A	Bushing, AC Cord	1	C		XYN3D08S	Screw, Worm Pulley Bracket M'tg	2	C				
	RHR111	Grommet, AC Cord	1	C		XUC2FW	E Ring, Head M'tg	1	C				
	RJF1010A	Terminal, FM EXT Antenna	1	Ⓝ B		XUC4FW	E Ring, Worm Wheel M'tg	1	C				
	RJJ32A	Jack, EXT Speaker	1	Ⓝ B		RUL3	Lead Holder	2	C				
	RJJ26A	Jack, Remote Call	1	Ⓝ B		RJJ68	Multi-Connector Socket	1	B				
	RJV1A	Socket, Dial Light	1	C	XSB3 + 8BNS	Screw, Deck M'tg	4	B					
	XAM35K	Dial Light, 6.3V 0.25A	1	A	XUC2FW	E Ring, Deck M'tg	1	B					
	RUP1453	Printed Circuit Board, Multi-Connector	1	C	RM060AS	Lower Base Plate Block	1	Ⓝ C					
CH10	RDP43A	Pointer, Dial	1	Ⓝ A	RSC1094A	Clock, 120V 60Hz	1	Ⓝ A					
	RDD50-4	Drum, Dial	1	B	RGH1102A	Time Hand	1	Ⓝ A					
	RD1291A	Shaft, Tuning	1	A	RGH2102A	Minute Hand	1	Ⓝ A					
	RDS4090A	Spring, Dial	1	A	RGH3102A	Sweep Second Hand	1	Ⓝ A					
	RDZ05-3	Cord, Dial, 49 1/2"	1	B	RGH4102A	Alarm Hand	1	Ⓝ A					
	RKD123A	Scale, Dial	1	Ⓝ B	RGW13A	Clock Face	1	Ⓝ B					
	RHG9	Rubber Cushion, Tuning Gang	1	C	RSH25A	Clock Selector, Time Information Switch	2	Ⓝ A					
	RHG109	Rubber Cushion, Core Antenna	2	C	RMN30A	Auto Switch	2	Ⓝ A					
	XSHR3A10S	Screw, Speaker M'tg.	4	C	RMN31A	Rotor	1	Ⓝ A					
	XWA3B	Spring Washer, Chassis M'tg.	5	C	RMN32A	Actuator, Auto Switch	1	Ⓝ C					
CH12	XWG3	Washer, Chassis M'tg.	5	C	RM081A	Spring	1	Ⓝ A					
	XSN3D10RS	Red Screw, Chassis M'tg.	5	B	RM083A	Spring, Time Information Lever	1	Ⓝ A					
	XYN3D08S	Screw, Deck M'tg.	4	C	RM082A	Spring	1	Ⓝ A					
	ACCESSORIES					RM084A	Screw, Time Adjusting Control	1	Ⓝ B				
	A1	EAE1TB-2	Magnetic Earphone, Imp. 8Ω	1	B	XWA2B	Spring Washer, Auto Switch M'tg.	2	C				
		RJL2A	Remote Control	1	Ⓝ B	XWA3B	Spring Washer, Clock & Clock Selector Switch M'tg	6	C				
	PACKING					XNG26C	Nut, Clock Selector & Time Information Switch M'tg	4	C				
	P1	RPP48A	Polyethylene Cover	1	Ⓝ C	XNG20BW	Nut, Auto Switch M'tg	2	C				
		RPH81A	Soft Cover	1	Ⓝ C		XYN26 + 4	Screw, Cover & Rotor M'tg	4	C			
		RPN9050A	Pad (Complete)	1	Ⓝ C		XSN3D5S	Screw, Clock Bracket M'tg	1	C			
RPN666A		Pad A (Supply as RPN9050A)	(1)	Ⓝ C	XSN3D6S		Screw, Clock Bracket M'tg	4	C				
RPN667A		Pad B (Supply as RPN9050A)	(1)	Ⓝ C	XSN3D4S		Screw, Clock M'tg	1	Ⓝ B				
RPN668A		Top Pad	2	Ⓝ C	RM062AS		Disc Block	1	Ⓝ B				
RPE73A		Accessory Box	1	Ⓝ C	RM077A		Spring, Magnetic Disc M'tg	1	Ⓝ B				
RPG471A		Carton Box - Model RC-6900	1	Ⓝ C	RM078A		Washer, Magnetic Disc M'tg	6	Ⓝ B				
RPG490A		Carton Box - Model RC-6900C	1	Ⓝ C	RM079A		Pressure Fitting, Magnetic Disc	1	Ⓝ A				
RQX5249A		Instruction Book	1	Ⓝ B	RJN901A		Magnetic Disc (Complete) - Model RC-6900	(1)	Ⓝ A				
P2	RPN667A	RPN9050A	(1)	Ⓝ C	RJN2A	Magnetic Disc, Minute	(1)	Ⓝ A					
					RJN3A	Magnetic Disc, Hour	1	Ⓝ A					
					RJN901C	Magnetic Disc (Complete) - Model RC-6900C	(1)	Ⓝ A					
					RJN2C	Magnetic Disc, Minute	(1)	Ⓝ A					
					RJN3C	Magnetic Disc, Hour	(1)	Ⓝ A					
					RHS907A	Disc Sheet, Hour	1	Ⓝ C					
					RHS908A	Disc Sheet, Minute	1	Ⓝ C					